

From: [Coltrain, Katrina](#)
To: [Appel, Patrick](#); todd.downham@deq.ok.gov
Cc: [Turner, Philip](#)
Subject: comments on the Planning Meeting notes - 10-23-2018
Date: Thursday, October 25, 2018 3:59:00 PM
Attachments: [Waste Characterizaion for Removal Action at Wilcox Site.msg](#)
[FW Wilcox Final Report.msg](#)

Just a couple of clarifications. Shown in red bold. Please correct if I misunderstood.

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From: Appel, Patrick [mailto:pappel@eaest.com]
Sent: Wednesday, October 24, 2018 11:30 AM
To: Coltrain, Katrina <coltrain.katrina@epa.gov>; todd.downham@deq.ok.gov
Subject: Planning Meeting - 10-23-2018

Planning Meeting - 10-23-2018

Tuesday, October 23, 2018
10:21 AM

Remedial Investigation/Feasibility Study

- Groundwater
 - Survey information - sand creek and shallow groundwater
 - Shallow zone - map 30 feet or less
 - Install wells in hottest areas to determine downward migration
 - 6 wells to deeper depths - approximately 50 feet (identify water bearing zone and go 10-20 foot deeper to verify depth of the shallow water).
 - If no water is encountered, **in the 10-20' deeper push** then sample the soil **and complete the well in the shallow zone.**
 - Sample **soil for** VOCs, SVOCs, inorganics
 - Sampling - resample all wells and add the new wells **VOCs, SVOCs, inorganics**
- Soil data gaps
 - Two residential properties **(you should have a copy of the removal assessment report dated January 2016)**

100ft x 100ft grids--**correct**

5 point composites --correct

Depths: 0-2, 2-6, 6-12, 12-24.--correct

- Access is required
- ETF - sample to 2 feet (.5 - 2.0)
 - Todd wants to know if we can hand auger
 - Use geoprobe for Wilcox and other areas
 - Get as much done in 5 days, start at ETF
 - 5-7 staff (verify)
 - Cost estimate
 - Can CLP/Houston **accept samples** on Saturday - Katrina
- Priority - ETF and residential properties. Other areas can be left to RD/RA.
- Surface Water/Sediment
 - More samples at Wilcox near Tank 12 where its visible/olfactory --**maximum of two locations, same sample parameters as done for previous samples**
- Field Efforts
 - Well Installation - 11/12 or 11/26/2018 - +2
 - Soil sampling program - 12/3/2018 or 12/10/2018 - +5
 - Ground water sampling/surface water and sediment sampling - 12/10/2018 or 12/17/2018 +4
- HHRA/ERA - begin with the generic stuff

Alternatives Development and Screening Memorandum: the FS Screening and ARARs listing can be completed.

Remedial Design

- Site Management Plan—I **have a few comments/need to send to you**
- Treatability Work Plan
 - Draft Due November 5th, 2018
 - Enviroblend - <https://www.envioblend.com/>
 - Freeflow technologies <http://freeflowtech.com/>
 - Jcarpenter Environmental (Blastox)
 - <https://www.blastox.com/blastox-soil-remediation/>
 - <http://www.jcarpenterenvironmental.com/heavy-metal-treatment.html>

battery recycling site used subcontractor Metal Treatment Technologies, LLC and EcoBond TM, a proprietary stabilization reagent, into the contaminated soil. EcoBond TM is a nonhazardous phosphate chemical additive that chemically stabilizes lead in soil.

- Fieldwork -
 - Site visit within two weeks to look at access and traffic controls, etc.
 - Week of 11/26/2018
 - January 2019

- **Blank Access forms for the residential properties**
- Design
 - Draft Pre/Final - March 21, 2109
 - Lead area - no backfill (**expected, unless determined to be necessary**), required drainage controls (i.e. silt screens)
 - One drawing per area (nine areas as shown in the ROD)
 - Treatability reports (**included as RD appendices**)
 - Discussion or excavation extent calculations and estimations - i.e. test pitting, sampling and analysis, visual.
 - Haul route map -
 - Access roads?
 - Tank 3
 - Tank 10 access - contact pipeline company regarding access for trucks to cross pipeline
 - Tank 10 and 11 - manipulate road for access (contact Ms. Nealy)
 - Enviroblend - <https://www.envioblend.com/>
 - Freeflow technologies <http://freeflowtech.com/>
 - Jcarpenter Environmental (Blastox)
 - <https://www.blastox.com/blastox-soil-remediation/>
 - <http://www.jcarpenterenvironmental.com/heavy-metal-treatment.html>
 - Potential archaeologic finds at tanks 1 and 3 - mostly in the creek.
 - Traffic controls

Attached email: sample specification used during removal
Attached email: landfill and backfill locations used